

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 December 2001 (20.12.2001)

PCT

(10) International Publication Number
WO 01/97456 A1

(51) International Patent Classification⁷: H04L 12/28,
H04Q 7/38

[GB/GB]; 99 Gordon Road, High Wycombe, Bucking-
hamshire HP12 6EH (GB).

(21) International Application Number: PCT/GB01/02600

(74) Agent: GILL JENNINGS & EVERY; Broadgate House,
7 Eldon Street, London EC2M 7LH (GB).

(22) International Filing Date: 13 June 2001 (13.06.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0014431.1 13 June 2000 (13.06.2000) GB
0029541.0 4 December 2000 (04.12.2000) GB

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,
ZW.

(71) Applicant (for all designated States except US): RED-M
(COMMUNICATIONS) LIMITED [GB/GB]; Wexham
Springs, Framewood Road, Wexham, Slough SL3 6PJ
(GB).

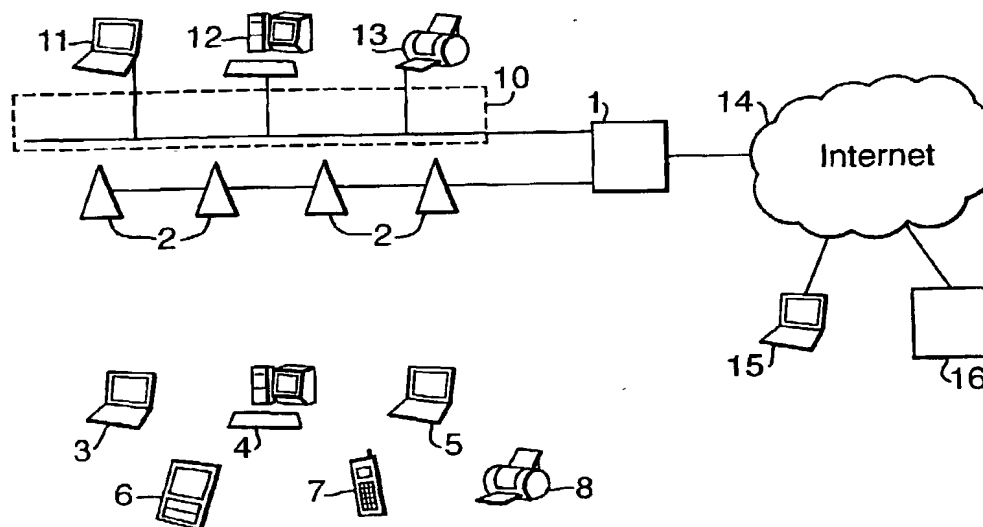
(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(72) Inventor; and

(75) Inventor/Applicant (for US only): HARRISON, Simon

[Continued on next page]

(54) Title: A CALL HANDLING DEVICE



(57) Abstract: The present invention provides a call handling device for connecting a Bluetooth enabled communications device to a communications network. The call handling device includes at least two Bluetooth radios each of which is capable of maintaining a Bluetooth connection with the Bluetooth enabled communications device. A process is provided for controlling the Bluetooth connections and this is achieved such that if a first Bluetooth connections fails, or at least does not meet predetermined connection criteria, then a new second Bluetooth connection is established via a different radio. Accordingly, if the radios are located at distributed positions, this allows a user to maintain a Bluetooth connection even when they move out of range of the radio via which the connection is currently established.

WO 01/97456 A1

WO 01/97456 A1**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.